

AN - 2001-611610 [70]
 AP - AU20010050272 20010326; [Based on WO0172791] ; WO2001CN00419
 20010326; CN20000115159 20000327
 CPY - SHAN-N
 - BODE-N
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 IC - A61K38/43 ; A61K38/52 ; C07K14/435 ; C07K16/40 ; C12N9/90 ; C12N15/61 ;
 C12N15/63 ; C12Q1/533 ; C12Q1/68
 IN - MAO Y; XIE Y
 MC - B04-C01G B04-E03E B04-E05 B04-E06 B04-E08 B04-F0100E B04-G03
 B04-L0700E B11-C08 B11-C08E3 B11-C08E5 B12-K04A B12-K04F B14-A02B1
 B14-C03 B14-F02 B14-F08 B14-G03 B14-H01 B14-S03 D05-C03 D05-C12
 D05-H09 D05-H11 D05-H12A D05-H12D1 D05-H12D2 D05-H12E D05-H14 D05-H17A3
 M1 - [01] M423 M710 M905 N135 N136 Q233; RA00GT-N
 - [02] M423 M710 M905 Q233; RA00C8-N
 - [03] M423 M710 M720 M750 M781 M905 N102 N135 N136 N161 P210 P420 P433
 P434 P520 P633 P815 P831 Q233 Q505; RA2UAN-T RA2UAN-A RA2UAN-D
 RA2UAN-N RA2UAN-P
 - [04] M423 M710 M750 M781 M905 N102 N134 N135 N136 N161 P210 P420 P433
 P434 P520 P633 P815 P831 Q233 Q505; RA00NS-T RA00NS-A RA00NS-D RA00NS-N
 - [05] M423 M710 M750 M781 M905 N102 N134 N135 N136 N161 P210 P420 P433
 P434 P520 P633 P815 P831 Q233 Q505; RA012P-T RA012P-A RA012P-D RA012P-N
 M6 - [06] M905 P210 P420 P433 P434 P520 P633 P815 P831 Q233 Q505 R515 R521
 R627 R632 R633 R639
 PA - (SHAN-N) SHANGHAI BIOWINDOW GENE DEV INC
 - (BODE-N) BODE GENE DEV CO LTD SHANGHAI
 PN - AU200150272 A 20011008 DW200208 C07K14/435 000pp
 - WO0172791 A1 20011004 DW200170 C07K14/435 Chn 034pp
 - CN1315581 A 20011003 DW200205 C12N15/61 000pp
 PR - CN20000115159 20000327
 XA - C2001-182797
 XIC - A61K-038/43 ; A61K-038/52 ; C07K-014/435 ; C07K-016/40 ; C12N-009/90 ;
 C12N-015/61 ; C12N-015/63 ; C12Q-001/533 ; C12Q-001/68
 AB - WO200172791 NOVELTY - An isolated polypeptide of human
 triose-phosphate isomerase 11 contains an amino acid sequence (II) of
 97 amino acids or its fragment, analog or derivative.
 - DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
 following:
 - (1) an isolated polynucleotide which is any of (a)-(c):
 - (a) a polynucleotide encoding a polypeptide of (II), or its fragment,
 analog or derivative;
 - (b) a polynucleotide complementary to that in (a); or
 - (c) a polynucleotide with not less than 85% homology to that in (a) or
 (b);
 - (2) a recombinant vector containing an exogenous polynucleotide
 constructed from the above polynucleotide and a plasmid, virus
 vector-expressing vector;
 - (3) a genetically-modified host cell with an exogenous polynucleotide
 which is a host cell transformed or transduced with the vector or a
 host cell transformed or transduced with the polynucleotide;
 - (4) a process for producing the polypeptide by culturing the host
 cells before isolating the product;
 - (5) an antibody that can bind specifically with the polypeptide;
 - (6) mimics or regulators of the polypeptide's activity or expression
 being compounds that can mimic, promote, antagonize or inhibit human

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triose-phosphate isomerase 11;

- (7) application of the above compounds for regulation the polypeptide's in vivo and in vitro activity;
- (8) a method for detecting diseases relating to the polypeptide or disease susceptibility by measuring the expression dose of the polypeptide, or determining the polypeptide activity, or detecting the polypeptide expression dose caused by the polynucleotide that has abnormal activity due to polynucleotide mutation; and
- (9) drug compositions for diseases relating to the polypeptide containing the polypeptide, polynucleotide, mimics, agonists, antagonists, inhibitors and their preparations, which can be used as diagnostics as well.
- ACTIVITY - Cytostatic; virucidal; immunomodulatory; antiinflammatory; hemostatic; anti-HIV
- MECHANISM OF ACTION - None given in the source material.
- USE - The polypeptide and encoded polynucleotide are applicable in diagnosis and treatment of malignant tumor, hemopathy, HIV infection, immunological diseases and various inflammations. The polypeptide can also be used for screening mimics, agonists, antagonists or inhibitors, or for use in peptide fingerprinting identification. The polynucleotide can be used as primers for nucleic acid amplification reaction or as probes for hybridization reaction, or in producing gene chips or microarrays (all claimed).

- (Dwg.0/2)

CN - RA00GT-N RA00C8-N RA2UAN-T RA2UAN-A RA2UAN-D RA2UAN-N RA2UAN-P
RA00NS-T RA00NS-A RA00NS-D RA00NS-N RA012P-T RA012P-A RA012P-D RA012P-N

DN - AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

IW - HUMAN TRIOSE PHOSPHATE ISOMERASE ENCODE POLYNUCLEOTIDE APPLY
DIAGNOSE

TREAT MALIGNANT HIV INFECT IMMUNOLOGICAL DISEASE VARIOUS INFLAMMATION

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TREAT MALIGNANT HIV INFECT IMMUNOLOGICAL DISEASE VARIOUS INFLAMMATION

INW - MAO Y; XIE Y

NC - 095

OPD - 2000-03-27

ORD - 2001-10-03

PAW - (SHAN-N) SHANGHAI BIOWINDOW GENE DEV INC

- (BODE-N) BODE GENE DEV CO LTD SHANGHAI

TI - Human triose-phosphate isomerase 11 and encoded polynucleotide,
applicable in diagnosis and treatment of malignant tumor, hemopathy,
HIV infection, immunological diseases and various inflammations